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PNA and (chip or array or support) and spacer

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- ☐ 1. [A review of molecular recognition technologies for detection of biological threat agents](#)
Iqbal, S.S. / Mayo, M.W. / Bruno, J.G. / Bronk, B.V. / Batt, C.A. / Chambers, J.P., *Biosensors and Bioelectronics*, Dec 2000
...complementary probes (oligonucleotide **array**). Visualization of captured...as shown in Fig. 3 Fig. 3 DNA **chip array** sequence detection: direct...developed. Peptide nucleic acid (**PNA**) probes can be made synthetically...Fig. 7 Chemical structures of **PNA** and DNA: **PNA** probes lack pentose sugar and...
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- ☐ 2. [Helical periodicity of \(PNA\)₂.\(DNA\) triplexes in strand displacement complexes.](#)
J H Kim / K H Kim / N E Møllegaard / P E Nielsen / H S Koo, *Nucleic Acids Res*, Jul 1999
...oligopyrimidine peptide nucleic acid (**PNA**) into DNA duplex, bent DNA fragments...bent DNA loci were prepared. As the **spacer** DNA length between the two bent loci...preincubated with an oligopyrimidine **PNA**, the gel mobilities were changed due...
MEDLINE/PubMed Citation on  **PubMed**
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- ☐ 3. [The Sir Hans Krebs Lecture](#)
Biochimie, Jun 1999
...Tg) mice deficient for wild-type (wt) PrP (Prnp^{0/0}) and **supported** prion propagation. PrP^{Sc} is composed of PrP residues 89-140...processes, for instance, in T cell signaling. Our studies thus **support** a new model for membrane organisation in cell membranes, in...
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- ☐ 4. [Analysing genetic information with DNA arrays](#)
Case-Green, S.C. / Mir, K.U. / Pritchard, C.E. / Southern, E.M.,

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All of the words

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Array Chip

MIPs CPU, Mixed Signal & Consumer Networking, Storage & Enterprise

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Current Opinion in Chemical Biology, Jun 1998

...open reading frame **PNA** peptide nucleic...fabrication and **array**-based assays, stressing...this technology. **Array** fabrication The...attached to the solid **support** ('off-chip'), or oligonucleotides...interactions. A **spacer** between probe and...location on the **support** and ink-jet methods...peptide nucleic acid (**PNA**) **array** [15']. Photolithographic...developed for silicon **chip** production, light...

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- ☐ 5. Genosensor technology and the detection of interfacial nucleic acid chemistry

Yang, M. / McGovern, M.E. / Thompson, M., *Analytica Chimica Acta*, Jul 1997

...to an insoluble solid **support**. The solid-phase synthetic...is released from the **support** by cleaving the carboxylester...peptidic nucleic acids or **PNA**). 2.3. Modification of...sensor surface a solid-**support** during oligonucleotide...or poly- ether chain **spacers** can be introduced to...solid surfaces A large **array** of techniques has been...

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- ☐ 6. Bibliography Section

Journal of Chromatography A, Sep 2000

...Hirayama, C.: Retention versatility of sili-**supported** comb-shaped crystalline and non-crystalline...the comparison of polymer-coated HPLC **supports**. *Chemom. Intell. Lab Syst.*, 50 (2000) 115-119...for liquid chromatography. Sculpting **supports** for liquid chromatography. *J. High...*

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- ☐ 7. Electrochemical genosensor design: immobilisation of oligonucleotides onto transducer surfaces and detection methods

Pividori, M.I. / Merkoci, A. / Alegret, S., *Biosensors and Bioelectronics*, Aug 2000

...al., 1997b). 2.3 Configurations that involve **PNA** electrochemical adsorptive immobilisation **PNA** (peptide nucleic acids) molecules can be immobilised...Wang, 1998) using adsorption at fixed potential. **PNA** is a DNA mimic where the natural deoxyribose-phosphate...

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- ☐ 8. Mutation/Genetic Engineering Techniques

Biotechnology Advances, Jan 1998

...invention concerns photochemical labelling reagents comprising a digoxigenin derivative and a furocoumarin derivative bound via a **spacer**. The labelling reagent can be used in gene diagnostic. 5620691 CAUSATIVE AGENT OF THE MYSTERY SWINE DISEASE, VACCINE COMPOSITIONS...

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- ☐ 9. Peptide nucleic acid-anthraquinone conjugates: strand invasion and photoinduced cleavage of duplex DNA.

B Armitage / T Koch / H Frydenlund / H Orum / H G Batz / G B Schuster, *Nucleic Acids Res*, Nov 1997

A bis-peptide nucleic acid (**PNA**)-anthraquinone imide (AQI)